

TABLE 601-XX (for use with ABC per Table 702-1)**MINIMUM TESTING FREQUENCIES****04/15/21 draft****Mainline Pipe (initial & final backfill)**

Utility Type	Test Area	Minimum Testing Frequency	MAG Section
Sewer, Water, Storm	Springline, Haunching	2 tests per lift per 500', alternate sides of pipe (diameter 18" and larger)	601; 618; 702
Sewer, Water, Storm	Initial Backfill	1 test per 500'	601; 702
Sewer	Final Backfill	Discussion item: 1 test per lift below subgrade per 500', per 300' (alternate between manholes), per pipe run, between each manhole....	601
Water	Final Backfill	1 test every other lift below subgrade per 500' (alternate between valves) Discussion item: Between each pipe run	601
Water Valves	Final Backfill	50% of valves or valve clusters (test 1'-3' away)	601
Storm Drain	Final Backfill	1 test every other lift per 500' Discussion item: Do we want to combine this with sanitary sewer testing?	601; 618
Dry Utilities (PUE)	Final Backfill	1 test every other lift per 500'	601

Services, Laterals, Crossings (initial and final backfill)

Utility Type	Test Area	Minimum Testing Frequency	MAG Section
Water, Sewer Services	Final Backfill	25% of services, 1 test every other lift below subgrade	601
Hydrant Laterals	Initial Backfill	50% of hydrant laterals	601; 702
Hydrants, Hydrant Laterals	Final Backfill	50% of laterals, 1 test every other lift below subgrade	601
Storm Drain Laterals	Initial Backfill	1 test per lateral (also test springline for pipe 18" and larger)	601; 718
Storm Drain Laterals	Final Backfill	50% of laterals, 1 test every other lift below subgrade	601; 718
Irrigation, Dry Utility Crossings	Final Backfill	100% of crossings, 1 test every other lift below subgrade	601

Structures

Utility Type	Test Area	Minimum Testing Frequency (foundation, final backfill)	MAG Section
Major (Manholes)	Subgrade/ Foundation	1 test per manhole	301; 601; Dtls 420, 421
Major (Manholes)	Backfill	1 test every other lift per structure, alternate sides of structure	206; 505; 601
Minor (Catch Basins, Headwalls)	Subgrade/ Foundation	50% of structures	301; 601
Minor (Catch Basins, Headwalls)	Backfill	1 test every other lift per structure	206; 505; 601

This Table is for ABC. When using native, refer to Native Table 601-xx***(footnote): The Engineer or their representative reserve the right to modify sampling and testing requirements as needed to ensure quality of materials.******(footnote): "Pipe Run" defined as any length of pipe between two consecutive structures along the pipeline. (ie. manholes, fire hydrants, change of directions, or other items)***

